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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete If Known						
Application Number	09/649,569					
Filing Date	AUGUST 28, 2000					
First Named Inventor	PATEL et al.					
Group Art Unit	1746					
Examiner Name	Unknown					
Attorney Docket Number	P06-US					

				U.S. PATENT DOCU	MENTS	
Examiner Initials	Cite No.1	U.S. Patent D Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CA	4,740,410		Muller et al	04-26-1988	
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	CG	6,051,503		Bhardwaj, J. K.	04-18-2000	
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				F	REIGN PATENT DOCUMENT	S		
Examiner Cite No.1 Of		Office <sup>3</sup>	Foreign Patent Docu Number <sup>4</sup>	ment Kind Co (if know	Applicant of Cited Llocument	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	16
	DA	wo	98/05605		Bhardwaj, J. K.	02-12-1998		
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	DC	wo	99/01887		Lea et al.	01-14-1999		
	DD	wo	99/03313		Lea et al.	01-21-1999		
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	DF	wo	00/52740		Bhardwaj et al.	08-08-2000		o
	DG	EP	0 822 582 A2		Bhardwaj, J. K.	02-04-1998		
	DH	EΡ	· 0 822 584 A2		Bhardwaj, J. K.	04-04-1998		$\top$
	DI	EP	0 838 839 A2		Bhardwaj, J. K.	04-29-1998		
	DJ	EΡ	0 878 824 A2		McQuarrie et al.	. 11-18-1998		Î

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Sheet	. 2	of	2

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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ2
	EA	STRELLER et al., "Selectivity in Dry Etching of Si(100) and XeF2 and VUV Light", Elsevier Science B.V., Applied Surface Science, (1996), 106: pp. 341-346	
	EB	VUGTS et al., "Si/XeF2 Etching: Temperature Dependence", J. Vac. Sci. Technol. A 14(5), (Sep/Oct 1996), pp. 2766-2774	
	EC	WANG et al., "Gas-Phase Silicon Etching with Bromine Trifluoride", Transducers '97, 1997 International Conference on Solid-State Sensors and Actuators, Chicago (June 16-19), pp. 1505-1508	
	ED	WINTERS, H.F., * Etch Products from the Reaction of XeF2 with SiO2, SiO3, Si3N4, SiC, and Si in the Presence of Ion Bombardment*, J. Vac. Science Technology B 1(4), (Oct-Dec 1983), pp. 927-931	
	EE	WINTERS et al., "The Etching of Silicon with XeF2 Vapor", Appl. Phys. Lett. 34(1), January 1, 1979, pp. 70-73.	
	EF	GILDEMEISTER, J.M., "Xenon Difluoride Etching System", (Nov 17, 1997)	
	EG	"Xenon Difluoride Isotropic Etch System", Seeing is Believing, Surface Technology Systems Ltd. brochure, Newport, UK (date unknown)	
	EH	Assorted promotional literature, Surface Technology Systems Ltd., Newport, UK (July 28, 1999)	
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



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Examiner Name	Unknown						
Attorney Docket Number	P06-US						

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	AA	4,190,448		Winters	02-26-1980	
	AB	4,310,380		Flamm et al	12-12-1982	
	AC	4,498,953	L	Cook et al.	02-12-1985	
	AD	5,726,480		Pister	03-10-1998	
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Examiner Cite			Foreign Patent Docu	ment Kind Code <sup>5</sup>	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	П
Initials"	No.1	Office <sup>3</sup>	Number <sup>4</sup>	(if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Т6
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STATEMENT BY APPLY

C mplete if Known 09/649,569 **Application Number** AUGUST 28, 2000 Filing Date PATEL et al. First Named Inventor Group Art Unit 1746 **Examiner Name** Unknown Attorney Docket Number P06-US

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	ва	ALIEV et al., "Development of Si(100) Surface Roughness at the Initial Stage of Etching in F2 and XeF2 Gases Ellipsometric Study", Surface Science 442 (1999), pp. 206-214.	
	вв	HABUKA et al., "Dominant Overall Chemical Reaction in a Chlorine Trifluoride-Silicon-Nitrogen System at Atmospheric Pressure", Japan Journal of Applied Physics Vol 38 (1999), pp. 6466-6469.	
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	BD	HOULE, F.A., "Dynamics of SiF4 Desorption During Etching of Silicon by XeF2", IBM Almaden Research Center, 15 April 1987, pp. 1866-1872.	
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	ВІ	XACTIX, Inc., Marketing Brochure, June 27, 1999	
	ВЈ	WANG et al., "Gas-Phase Silicon Etching with Bromine Trifluoride", TRANSDUCERS '97, International Conference on Solid-State Sensor and Actuators, Chicago, June 16-19, 1997, pp. 1505-1508.	

Examiner	Date	
Signature	Considered	

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C mplete if Known					
Application Number	09/649,569				
Filing Date	AUGUST 28, 2000				
First Named Inventor	PATEL et al.				
Art Unit	1746				
Examiner Name	PURNELL. A.				
Attorney Docket Number	P06-US				

			U.S. PAT	ENT DOCUMENTS	
Examiner Initials	Cite No.1	Document Number Number - Kind Code <sup>2</sup> (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	FA	US- 3,511,727	05-12-1970	Hays, R.G.	
	FB	US- 4,695,700	09-22-1987	Provence et al.	
	FC	US- 4,749,440	06-07-1988	Blackwood et al.	
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	FE	US. 5,439,553	08-08-1995	Grant et al.	
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	FI	US- 5,757,458	05-26-1998	Yamazaki et al.	·
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	FM	US- 6,277,173 B1	08-21-2001	Sadakata et al.	
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	FR	US- 2001/0002683 A1	08-07-2001	Tal et al.	
	FS	US- 2002/0033229 A1	03-21-2002	Lebouitz et al. ~	
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Examiner Initlats	Cite No.1	Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 4 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te	
	GA	EP-0704884-A2	04-03-1996	Mehta, J.	· ·		
	GB	EP-0878824-A2	11-18-1998	McQuarrie et al.			
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	GH	JP-1986/61053732-A	03-17-1986	Arata et al.			
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	3	JP-1986/61181131-A	08-13-1986	Shinji et al.			

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	GK	JP-1986/61187238-A	08-20-1986	Nobuo et al.				
	GL	JP-1986/61270830-A	12-01-1986	Toru, T.	).			
	GM.	JP-1987/62071217-A	04-01-1987	Toru et al.				
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	GQ	JP-1990/02250323-A	10-08-1990	Susumu et al.				
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	GT	JP-1995/07029823-A	01-31-1995	Hiroshi, T.				

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	GU	JP-1997/09251981-A	09-22-1997	Kazuaki et al.		
	GV	JP-1998/10313128-A	11-24-1998	Hanmin et al.	,	
	GW	JP-1998/10317169-A	12-02-1998	McQuarrie et al.		
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